

BERIDZE, R.K.

Development of the female gametophyte in the genus *Fragaria* L.
Trudy Tbil. bot. inst. 22:215-226 '62. (MIRA 17:2)

BERIDZE, R. K.

"Phylogenetic relations and evolution of the genus *Fragaria* in the light of the new experimental data."

report submitted for 10th Intl Botanical Cong, Edinburgh, 3-12 Aug 64.

AS GSSR.

BERIDZE, T.G.; ODINTSOVA, M.S.; SISAKYAN, N.M., akademik

Properties of deoxyribonucleic acid of chloroplasts. Dokl. AN SSSR
162 no.5:1188-1190 Ja '65. (MIRA 18:7)

1. Institut biokhimii im. A.N.Bakha AN SSSR.

~~BERIDZE, V.M.~~ prof., red.; DVALI, R.R., akademik, red.; GAMBASHIDZE, R.B.,
dozent, red.

[Technical terminology; Russian-Georgian part] Tekhnicheskaya
terminologiya; russko-gruzinskaya chast'. Pod red. V.M.Beridze,
R.R.Dvali i R.B.Gambashidze. Tbilisi, 1957. 433 p. [In Georgian
and Russian.] (MIRA 12:2]

1. Akademiya nauk Gruzinskoy SSR, Tiflis. Institut yazykoznaneniya.
2. Akademiya nauk Gruzinskoy SSR (for Dvali).
(Russian language--Dictionaries--Georgian)
(Technology--Dictionaries)

KASHAKASHVILI, N.V., prof., otv.red.; GAMBASHIDZE, R.B., kand.nauk, otv.
red.; AGLADZE, R.I., prof., red.; BKRIDZE, V.M., prof., red.;
GIGINETSHVILI, K.M., red.; GONIASHVILI, T.B., kand.nauk, red.;
TAVADZE, F.I., prof., red.; KSKELIDZE, M.A., doktor nauk, red.;
MIKELADZE, G.Sh., kand.nauk, red.; NADIRADZE, Ye.M., kand.nauk,
red. p

[Metallurgical terminology] Metallurgicheskaya terminologiya.
Otv.red.N.V.Kashakashvili i R.B.Gambashidze. Tbilisi, 1959.
324 p. (MIRA 13:2)

1. Akademiya nauk Gruzinskoy SSR, Tiflis. Institut yazykoznaniya.
(Metallurgy--Dictionaries)
(Russian language--Dictionaries--Georgian)
(Georgian language--Dictionaries--Russian)

BERIDZE, V.M., prof., red.; DVALI, R.R., akademik; GAMBASHIDZE, R.B.,
dotsent, red.; VOLKOVA, I., red.izd-va; KADZHAIA, Yel., red.izd-va;
TSERETELI, A., tekhn.red.

[Technical terminology; Georgian-Russian part] Tekhnicheskaya
terminologiya; gruzinsko-russkaya chast'. Pod red. V.M.Beridze,
R.R.Dvali i R.B.Gambashidze. Tbilisi, 1960. 459 p.

(MIRA 14:6)

1. Akademiya nauk Gruzinskoy SSR, Tiflis. Institut yazykozvaniya.
2. Chlen-korrespondent AN Gruzinskoy SSR (for Beridze). 3. AN Gru-
zinskoy SSR (for Dvali).

(Technology—Dictionaries)

(Georgian language—Dictionaries—Russian)

Beridze, V. V.

DZHAMBURIYA, G.D.; MELITURI, K.N.; KHANTADZE, Sh.A.; SHOSHIASHVILI, N.F.;
BARNAVELI, T.V. [translator]; BERIDZE, V.V., red.; BAKRADZE, D.S.,
red.izd-va; DZHAPARIDZE, N.A., tekh.n.red.

[Vardzia; guidebook] Vardzia; putevoditel'. Tbilisi, Izd-vo Akad.
nauk Gruzinskoi SSR, 1957. 93 p. (MIRA 11:3)
(Georgia--Description and travel-Guidebooks)
(Kura Valley--Monasteries)

SAKASHVILI, Mikhail Georgiyevich; GELASHVILI, Avtandil Petrovich;
SAKVARELIDZE, D.S., otv.red.; AKHVLEDIANI, G.S., red.; TSULU-
KIDZE, A.P., red.; MELIKISHVILI, G.A., red.; ERISTAVI, K.D., red.;
MENTESHASHVILI, I.T., red.; TATISHVILI, I.Ya., red.; BERIDZE,
V.V., red.; APAKIDZE, A.M., red.; YAKIMOVA, A., tekhn.red.

[Illustrations to the history of medicine in Georgia; from ancient
times to the 19th century] Illiustratsii k istorii meditsiny
Gruzii; s drevneishikh vremen do XIX veka. Tbilisi, Gos.izd-vo
"Sabchota Sakartvelo," 1959. 127 p. (MIRA 13:9)
(GEORGIA---MEDICINE)

SUMBADZE, L.Z.; BERIDZE, V.V., red.; AVALIANI, N.M., red.izd-va;
DZHAPARIDZE, N.A., tekhnred.

[Colchis dwelling according to Vitruvius] Kolkhidskoe
shilishche po Vitruviu. Tbilisi, Izd-vo Akad.nauk Gruz.SSR,
1960. 51 p. (MIRA 13:7)
(Vitruvius Pollio) (Colchis--Dwellings)

AUTHOR: Berigin, K.P., Cand. Tech. Sciences. 181

TITLE: Graphs for the selection of sections of eccentrically compressed elements of "I" Sections. (Grafiki dlya podbora sechenii vnetsentrenno szhatykh elementov dvutabrovogo secheniya).

PERIODICAL: "Beton i Zhelezobeton" (Concrete and Reinforced Concrete), 1957, No.3, pp.110-112 (U.S.S.R.)

ABSTRACT: The Gosstroï, USSR, issued drawings of reinforced concrete columns, series KE -01 - 06, edition 3 and 4, in May, 1956. 30% concrete can be saved in this way (in comparison with rectangular columns). The height of the section of standardised I - columns is 40, 60 and 80 cm, whilst the width is constant (40 cm). The flanges are tapered (from 12.5 cm to 10 cm). The web is 12 cm wide. The reinforcement consists of standard mild steel reinforcement Mark St - 5. It is necessary to check the columns for eccentric stresses which might be caused by seismic disturbances and gales of exceptional strength. Graphs were prepared taking into account these conditions of stresses indicating the required reinforcement. The graphs are based on NiTU - 123 - 55 for concrete Mark 200 and for the reinforcement St - 5 ($R_a = 2\,400\text{ kg/cm}^2$). The method of constructing the graphs is explained. Examples to illustrate the use of the above graphs are given by calculating typical problems. There are 3 graphs and 4 diagrams.

BERIC, Karlo

Seasonal variations in industrial production. Nova proizvod
13 no.4:273-281 S '62.

CHECHELASHVILI, I.D.; BERIDZE, M.A.

Lithology of Paleogene formations in southeastern Georgia.
Trudy Geol. inst. Gruz.SSR no.3:59-102 '65.

(MIRA 18:11)

BERIDZE, M.A.

Genesis of albitites and adinoles in the Gornaya Racha.
Izv. Geol. ob-va Gruz. 4 no. 2:65-68 '65 (MIRA 19:1)

BERIDZE, R.I.

Summation of a singular Hardy-Littlewood series. Soob. AN
Gruz. SSR 38 no. 3:529-534 Je '65. (MIRA 18:12)

1. Tbilisskiy gosudarstvennyy universitet. Submitted July 2,
1964.

NAZARISHVILI, O.P.; BERIDZE, V.

Activity of the Society of Rentgenologists and Radiologists
of the Georgian S.S.R. in 1964. Vest.rent.i rad. 40 no.5:75.
76 S-0 '65. (MLRA 18:12)

1. Predsedatel' Obshchestva rentgenologov i radiologov
Gruzinskoy SSR (for Nazarishvili). 2. Sekretar' Obshchestva
rentgenologov i radiologov Gruzinskoy SSR (for Beridze).

BERIKASHVILI, I.G.

Production of calcium permanganate by electrolysis. Trudy Inst.
prikl.khim.i elektrokhim.AN Gruz.SSR 3:57-65 '62.

(MIRA 16:1)

(Calcium permanganate)

(Electrolysis)

ABASHIDZE, Zh.N.; BERIKASHVILI, I.G.

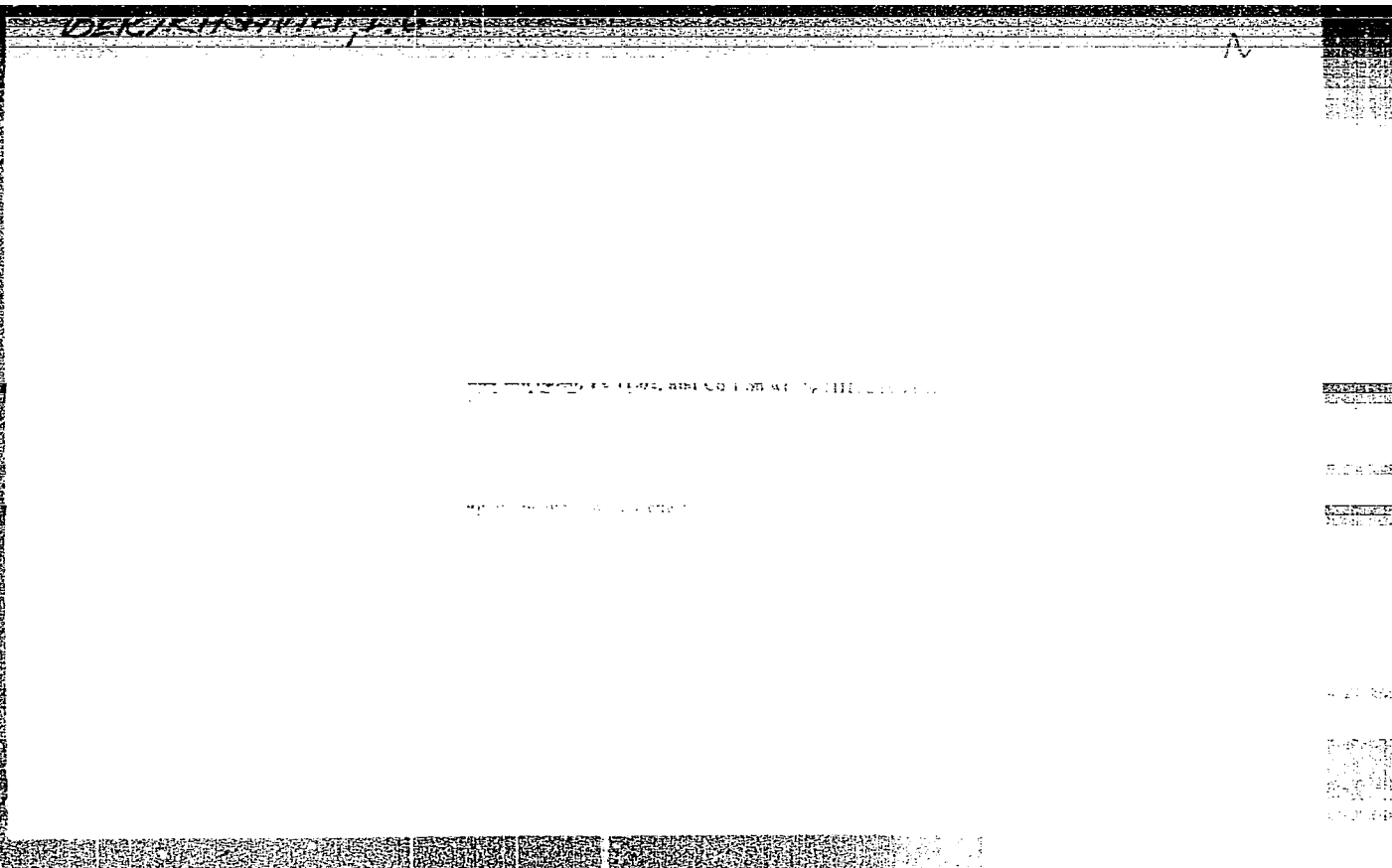
Spectrographic determination of lead in electrolytic chromium.
Soob. AN Gruz. SSR 34 no.3:564 Je '64 (MIRA 18:1)

1. Submitted October 5, 1963.

BERIKASHVILI, I. G.

35182. Metod Polucheniya Manganata Bariya. Soobshch. Akad. Nauk Gruz. SSR, 1949,
No. 5, s. 275-80

SO: Letopis' Zhurnal'nykh Statey. Vol. 48, Moskva, 1949



AGLADZE, R.I.; BHRIKASHVILI, I.G.

Obtaining permanganates by means of an anodic diffusion of ferromanganese in aqueous solutions of potassium hydroxide. Soob. AN Gruz. SSR 15 no.6:335-342 '54. (MLRA 8:6)

1. Deystvitel'nyy chlen Akademii nauk Gruzinskoy SSR (for Agladze)
2. Akademiya nauk Gruzinskoy SSR, Institut metalla i gornogo dela, Tbilisi.

(Permanganates)

BERIKASHVILI, I. G.

BERIKASHVILI, I. G. "A study of the Process of Producing Potassium Permanganate by the Anode Dissolution of Ferromanganese in Carbonate and Alkali Solutions." Published by the Acad Sci Georgian SSR. Acad Sci Georgian SSR. Inst of Chemistry imeni P. G. Melikishvili. Tbilisi, 1956. (Dissertation for the Degree of Candidate in Chemical Science)

So: Knizhnaya Letopis', No. 19, 1956

BERIKASHVILI, I.G.

Production of lithium permanganate by electrolysis. Soob.AN
Gruz.SSR 23 no.1:41-48 J1 '59. (MIRA 13:1)

1. An GruzSSR, Institut prikladnoy khimii i elektrokhemii,
Tbilisi. Predstavleno akademikom R.I.Agladze.
(Lithium permanganate) (Electrosynthesis)

BERIKASHVILI, I.G.

//

PHASE I BOOK EXPLOITATION

SOV/5277

Akademiya nauk Gruzinskoy SSR. Institut prikladnoy khimii i elektro-
tekhniki.

Trudy, t. 1 (Academy of Sciences of the Georgian SSR. Institute of Applied
Chemistry and Electrochemistry. Transactions) v.1. Tiflis, 1960.
186 p. Errata slip inserted.

Personalities cannot be established in Georgian writing.

PURPOSE: This collection of articles is intended for mineralogists, metal-
lurgists, and mining specialists.

COVERAGE: The collection contains articles concerning recent research on
methods for treating antimony- and arsenic-bearing ores and carbonate
ores of manganese. Research on the electrochemical properties of certain
ores and their electrodeposition is also discussed. The collection includes

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Institute of Applied Chemistry (Cont.)

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studies on the corrosion and electrical properties of certain alloys, studies of the properties of certain cements and cement components, and studies of certain phases of the cement production process. The following personalities are mentioned: Professor N. A. Figurovskiy and his scientific assistant T. B. Gavrilova (p. 118, bottom); R. I. Agladze, Academician, AN GSSR (AS Georgian SSR) (p. 150); S. D. Dzhaparidze and N. I. Lagidze (p. 171). The articles which are written in Georgian are followed by a resumé in Russian. References accompany each article.

TABLE OF CONTENTS:

1. Kakabadze, V. [Printed in Georgian] 3
2. Agladze, R. I., and V. N. Caprindashvili. Hydrometallurgical Processing of Antimony Ores From the Zopkhitskiy Deposit 49

Card 2/5-

Institute of Applied Chemistry (Cont.)

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3. Topchiashvili, L. I. Solubility of the Chemical Elements in Manganese 51
4. Berikashvili, I. G. Anodic Polarization of Ferromanganese in Alkali Solutions 70
5. Dzhaparidze, L. N. , and D. G. Otiaashvili. Electrochemical Properties of a Manganese Electrode in Alkali Electrolytes 86
6. Mokhov, V. N. , and L. I. Topchiashvili. Electrode Potentials of Alloys of the Manganese-Copper-Nickel System 87
7. Mokhov, V. M. , and L. I. Topchiashvili. Corrosion of a High-Resistance Manganese-Base Alloy 95
8. Dashniani, N. F. Production of Anhydrous Manganese Chloride 111

Card 3/5

BERIKASHVILI, I.G.

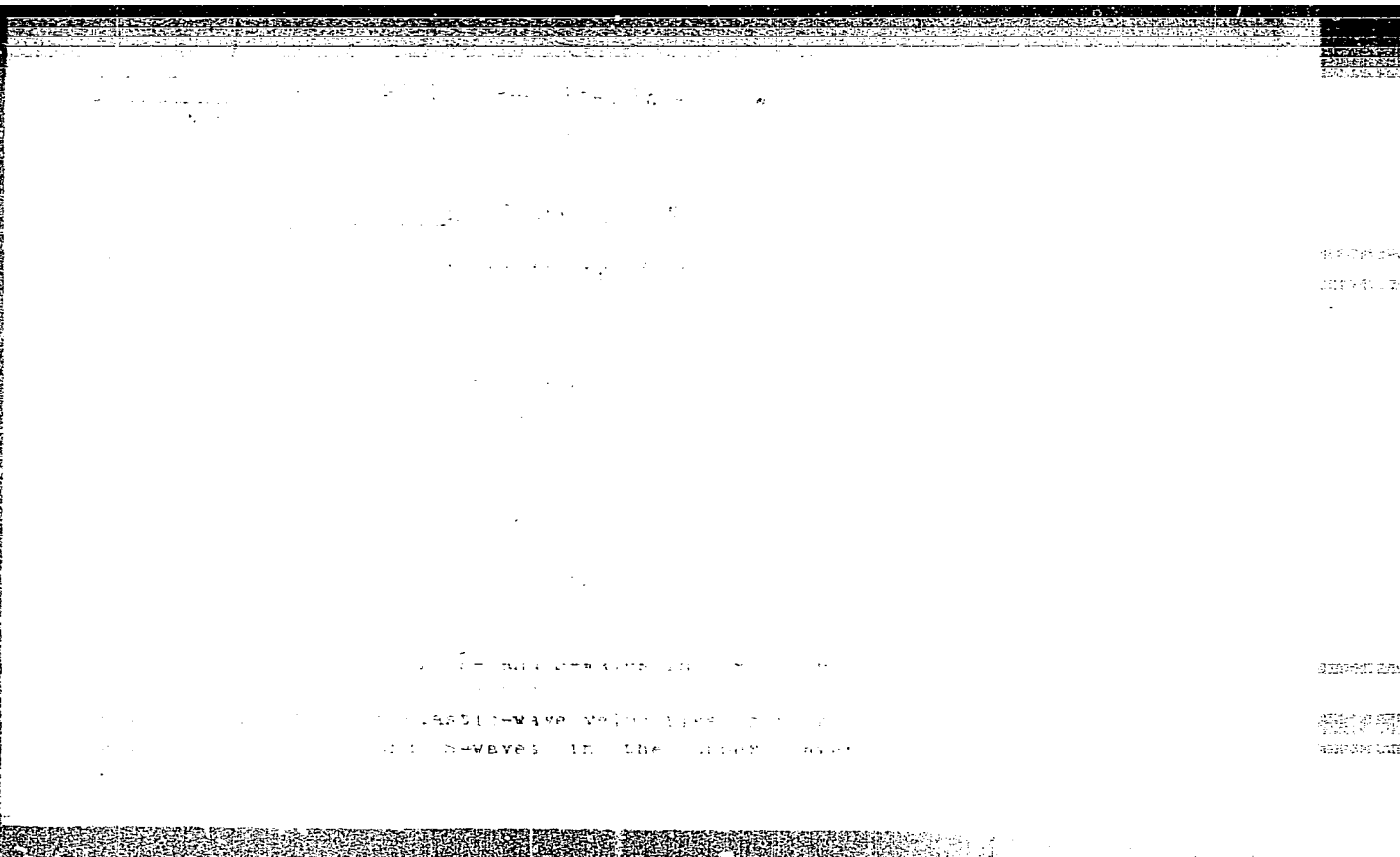
Anodic polarization of ferromanganese in alkaline solutions. Trudy
Inst. prikl. khim. i elektrokhim. AN Gruz. SSR no. 1:63-71 '60.
(MIA 14:2)

(Ferromanganese)

BERIKASHVILI, I.G.

Electrochemical regeneration of potassium permanganate in a potassium hydroxide solution. Soob.AN Gruz.SSR 24 no.3:295-302
Mr '60. (MIRA 13:7)

1. Akademiya nauk Gruzinskoy SSR, Institut prikladnoy khimii i elektrokhimii, Tbilisi. Predstavleno akademikom R.I.Agladze.
(Potassium permanganate)



L 58970444

L 29561-66 EWT(1)/FSS-2 IT/GW

ACC NR: AP6019675

SOURCE CODE: UR/0033/66/043/003/0622/0646

AUTHOR: Zharkov, V. N.; Berikashvili, V. Sh.; Osnach, A. I.

15
14
B

ORG: Institute of Geophysics, Academy of Sciences SSSR (Institut fiziki Zemli Akademii nauk SSSR)

TITLE: Geophysical problems and lunar investigations

SOURCE: Astronomicheskii zhurnal, v. 43, no. 3, 1966, 622-646

TOPIC TAGS: lunar seismology, selenology, lunar magnetic field, lunar tide, moon probe

ABSTRACT: Various geophysical methods used in lunar investigations as well as proposed lunar seismic experiments are reviewed. The first lunar seismic experiments will attempt to determine seismic activity on the Moon, establish velocity profiles, and locate seismic sources. Owing to weight restrictions imposed by the lunar vehicle, the first seismic instrument will probably be a single-component vertical seismograph. It is expected that a seismograph on the Moon, operating for a period of 30-60 days, will record numerous lunar tremors from different parts of the Moon, resulting in seismograms at different epicentral distances. The velocities of seismic waves in the Moon are estimated theoretically on the basis of terrestrial seismic data and experimental data on the behavior of rocks under different pressures and temperatures. It is believed that a layer of reduced seismic velocities exists on the Moon and that it

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UDC: 523.36

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ACC NR: AP6019675

is more sharply defined than on the Earth. The question of lunar tides and their relation to different internal structure variants of the Moon is examined. The possible presence of a liquid core and resultant magnetic field is posited and the results of measurements from automatic lunar probes are reviewed. For example, Lunik-2 detected no such field at a distance of 55 km from the surface of the Moon. If the Moon has a dipole magnetic field, then the magnetic moment must be less than 10^{-4} that of the Earth. Orig. art. has: 18 figures, 6 tables, and 31 formulas. [DM]

SUB CODE: 03/ SUBM DATE: 11Jan65/ ORIG REF: 011/ OTH REF: 027/ ATD PRESS: 5015

Card

2/2

CC

BILYALOV, K.

Dissertation: "Oxonium Compounds of Esters With Organic Acids." Cand Chem Sci,
Inst of Chemical Sciences, Acad Sci Kazakh SSR, 28 Apr 54. (Kazakhstanskaya Pravda,
Alma-Ata, 17 Apr 54)

SO: SUM 243, 19 Oct 54

BILYALOV, K.

Oxonium compounds. Izv. AN Kazakh SSR, Ser. khim. no. 8:3-24 155.
(Oxonium compounds) (MLRA 9:4)

USANOVICH, M.; BILYALOV, K.; KRASNOMOLOVA, L.

Oxonium compounds of esters with organic acids. Part 1.
Zhur.ob.khim. 25 no.3:471-477 Mr '55 (MLRA 8:6)

1. Institut khimicheskikh nauk akademii nauk Kazakhskoy SSR
(Acids, Organic)(Oxonium compounds)

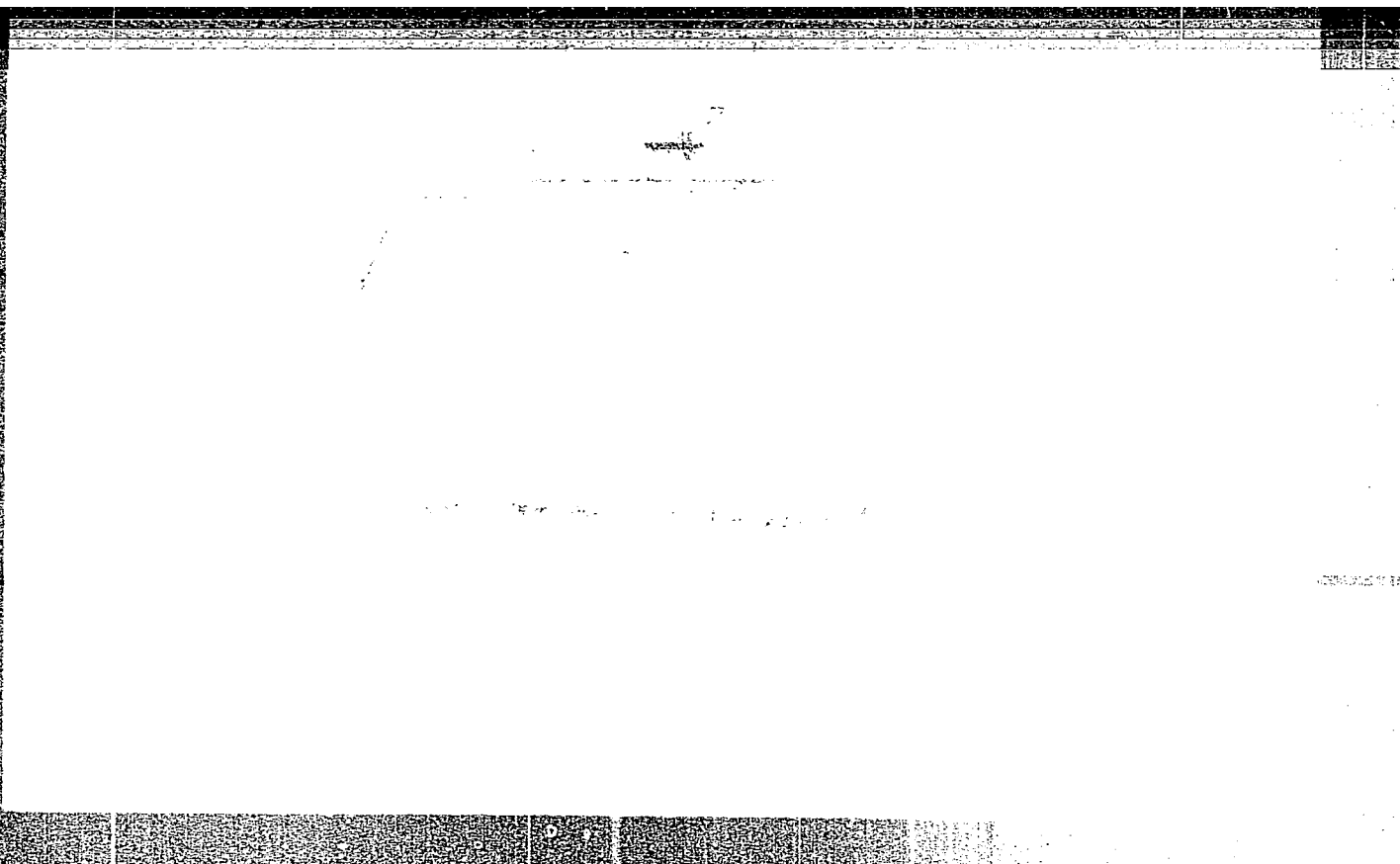
BILYALOV, K. B.

"The Oxonium Compounds of Complex Esters With Organic Acids."
Cand (field not given), Department of Mineral Resources, Acad Sci
Kazakh SSR. (Vest Ak Nauk KazSSR, No 2, Feb 55)

SO: Sum. No. 631, 26 Aug 55-Survey of Scientific and Technical
Dissertations Defended at USSR Higher Educational Institu-
tions (14).

"APPROVED FOR RELEASE: 06/08/2000

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APPROVED FOR RELEASE: 06/08/2000

CIA-RDP86-00513R000204920006-8"

Math. J. 15, 649-658 (1948), MR 10, 253] and Vilenkin
[Izv. Akad. Nauk SSSR Ser. Mat. 15, 503-532 (1951), MR
13, 435]. In this paper the

"APPROVED FOR RELEASE: 06/08/2000

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CIA-RDP86-00513R000204920006-8

APPROVED FOR RELEASE: 06/08/2000

CIA-RDP86-00513R000204920006-8"

✓ Berikashvili, N.A. On the homology group of a
compact coefficient group

Gruz. SSR 16 (1955) 753-754. P. 2.

The author considers compact groups

compact groups, taking into account

3370 (1951, 87, 18, MR 12, 94, 11)

homology groups with

coefficients in a compact

group. The author shows

that the homology groups

are isomorphic to the

homology groups of the

group with coefficients

in the same group.

BERIKASHVILI, N. A.

Berikashvili, N. A.

"On the axiomatic theory of spectra and the laws of duality for arbitrary quantities." Tbilisi, 1956. (Dissertation for the Degree of Candidate in Physicomathematical Sciences).

Knizhnaya letopis'

No. 21, 1956. Moscow.

EMRIKASHVILI, N.A.

Axiomatic theory of group spectra. Soob.AN Gruz.SSR 18 no.6:641-646
Je '57. (MIRA 10:10)

1. Tbilisskiy gosudarstvennyy universitet im. I.V.Stalina.
Predstavleno chlenom-korrespondentom Akademii G.S.Chogoshvili.
(Groups, Theory of)

Section 2. On the generalized main theorems.

$\frac{d}{dt} \left(\frac{\partial L}{\partial \dot{x}} \right) = \frac{\partial L}{\partial x}$

... ..

1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 2678, 26

1. *Chlorophyll a* and *Chlorophyll b* were determined by the method of Lichtenthaler (1987).

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• *Chlorophyll a* (Chl a) and *Chlorophyll b* (Chl b) are the primary photosynthetic pigments in green plants. They are responsible for capturing light energy and converting it into chemical energy through the process of photosynthesis. Chl a is the most abundant pigment, while Chl b is present in smaller amounts. Both pigments are found in the chloroplasts of green plants.

...and the fact that the *in vitro* and *in vivo* results are in good agreement.

1. *Chlorophyll a* (Chl *a*)

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1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 2678, 26

1. *Chlorophyll a* (Chl *a*)

Berikás, H. H.

Then there are derived direct systems whose limit groups are denoted by $\text{Hom}_*(M, G)$ and $\text{Ext}_*(M, G)$.

Let M be a $\mathbb{Z}$ -module. For $n \in \mathbb{Z}$, let M_n denote the n th graded component of M . If M is finitely generated, then there is a unique $\mathbb{Z}$ -module M^* such that $M^*_n = M_{-n}$. The derived dual system M^* of M is defined to be the $\mathbb{Z}$ -module M^* such that $M^*_n = M_{-n}$.

It follows that

1. The first group of authors (e.g., [1, 2]) considers the problem of the stability of the equilibrium position of a system of particles in the field of a central force. The results of these authors are in qualitative agreement with the results of the present study.

1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 2678, 26

1. The first step is to identify the problem or question that needs to be answered. This involves understanding the context and the specific requirements of the task.

... ..

BERIKASHVILI, N.A.

Axiomatic spectrum theory and duality laws for random sets. Trudy Mat.
inst. AN Gruz. SSR 24:409-484 '57. (MIRA 11:3)

(Groups, Theory of) (Topology)

BERIKASHVILI, N.A.

Index of systems of singular integral equations on two-dimensional manifolds. Soob. AN Gruz. SSR 34 no.2:257-264
My '64. (MIRA 18:2)

1. Tbilisskiy matematicheskiy institut im. A.M. Razmadze AN GruzSSR. Submitted June 24, 1963.

OKLEY, L.N.; CHKHARTISHVILI, I.V.; ZHORDANIYA, I.S.; BERISHVILI, T.K.

Effect of the heating conditions of billets on the appearance of
laps in pipes. Metallurg 10 no.8:29-30 Ag '64.

(MIRA 17:11)

1. Gruzinskiy institut metallurgii i Rustavskiy metallurgicheskiy
zavod.

I 10248-66 FSS-2/ENT(1) TT/GW
ACC NR: AP6001539

SOURCE CODE: UR/0384/65/000/005/0016/0023

AUTHOR: Zharkov, V. N. (Doctor of physico-mathematical sciences); Berikashvili, V. Sh.

ORG: none

TITLE: Problems of seismic investigations on the moon

SOURCE: Zemlya i Vselennaya, no. 6, 1965, 16-23

TOPIC TAGS: lunar surface, seismic wave, selenology, moon, seismograph, seismography, space station

ABSTRACT: Problems related to the successful execution of a lunar seismic experiment, i.e., the soft-landing of a seismograph on the moon, are discussed and the importance of such an experiment to selenology, cosmogony, and the establishment of lunar space stations is emphasized. Analysis of various lunar models suggests the existence of three lunar seismic regions: 1) the crust, 2) a layer of decreased velocities, and 3) a liquid core. Lunar seismic activity may be attributable to any of several processes: a) thermoelastic stresses and other physicochemical processes, b) volcanic activity, and c) meteorite impact. To construct meaningful lunar travel-time curves, the following data would have to be obtained: 1) the time of seismic wave generation, 2) the arrival time of seismic waves at different epicentral distances, and 3) identification of the different phases on the seismograms with surface and volumetric waves.

Cord 1/2

L 10248-56

ACC NR: AP6001539

The primary goal of the lunar seismic experiment would be to compile a lunar seismic velocity profile. Comparison of the amplitudes of surface waves with those of longitudinal and transverse waves would yield data on both the nature of the waveguides and the temperature distribution on the moon. The ratio of the amplitude of the volumetric and surface waves would indicate the existence or absence of a shadow zone or zone of amplitude attenuation on the moon. Were it possible to land a 3-component seismograph on the moon, it would be possible to compute the location of moonquakes and the relationship between relief and seismic activity zones. Eventually, it may be possible to conduct lunar explosion soundings. Orig. art. has: 8 figures. [DM]

SUB CODE: 03, 08/

SUBM DATE: none/ ATD PRESS: 4160

CC
Card 2/2

GUGOV, Rashad Khuseynovich; BERIKETOV, Kh.G., kand. ist. nauk,
red.; KUANTOV, A.T., red.; BARGI, T.M., tekhn. red.

[The Kabardino-Balkar A.S.S.R. in the early phase of the
socialist reconstruction of the Soviet national economy,
1926-1929] Kabardino-Balkariia v pervye gody sotsialisticheskoi
rekonstruktsii narodnogo khoziaistva SSSR, 1926-1929 gg.
Pod red. Kh.G.Beriketova. Nal'chik, Kabardino-Balkarskoe
knizhnoe izd-vo, 1961. 165 p. (MIRA 15:9)
(Kabardino-Balkar A.S.S.R.--Economic conditions)

BERIKOVSKAYA, N.P. [Bedriks'ka, N.P.]; VIL'CHINSKIY, M.M.
[Vil'chyns'kyi, M.M.]

Role of carbohydrates in the greater winter hardiness of
the tea plant during acclimatization. Trudy Bot.sada AN
URSR 6:17-24 '59. (MIRA 13:5)
(Tea) (Carbohydrates) (Plants--Frost resistance)

BERILAZIC, S.

"Directing motor vehicles by wheels."

p. 683 (Vojno-Tehnicki Glasnik) Vol. 5, no. 9, Sept. 1957
Belgrade, Yugoslavia

SO: Monthly Index of East European Accessions (EEAI) IC. Vol. 7, no. 4,
April 1958

BERILAZIC, Stojan, inz.

Defects in welded steel joints. Zavarivanje 5 no.11/12:253-260 D
'62.

BERILOV, N.T.

BEDA, N.I.; BORNATSKIY, I.I., kandidat tekhnicheskikh nauk; BUL'SKIY, M.T.,
inzhener; SVIRIDENKO, P.F., inzhener; BERILOV, N.T., inzhener;
ZHEVIN, N.P.

Metallurgical plant laboratories in 1957. Metallurg 2 no.8:1-5 Ag
'57. (MERA 10:9)

1. Nachal'nik TSentral'noy zavodskoy laboratorii zavoda im. Petrovskogo
(for Beda). 2. Zamestitel' nachal'nika TSentral'noy zavodskoy labora-
torii Makeyevskogo metallurgicheskogo zavoda im. Kirova (for Bornatskiy).
3. Zavod "Azovstal'" (for Bul'skiy, Sviridenko, Berilov). 4. Nachal'-
nik TSentral'noy zavodskoy laboratorii zavoda "Serp i molot" (for
Zhetvin).

(Metallurgical laboratories)

AUTHORS: Bul'skiy, M.T., Sviridenko, F.F. and Berilov, N. T.,
Engineers 133-58-4-7/40

TITLE: The Use of Ore Briquettes During Smelting of High
Phosphorus Pig Iron (Primeneniye rudnykh briketov
pri pere dele vysokofosforistykh chugunov)

PERIODICAL: Stal', 1958, Nr 4, pp 303-306 (USSR)

ABSTRACT: On smelting high-phosphorus iron in open hearth furnaces
the proportion of silica in slag has an important influence
on the dephosphorisation process. The relationship can be
expressed by the following empirical equation:

$$(P_2O_5) = \frac{300}{(SiO_2) + 8.1}$$

Statistical analysis of the works' records indicated that
about 50 to 60% of total silica in slag was introduced with
iron ore. As there was a shortage of low silica lump ore,
experiments were carried out on the application for this
purpose of briquettes made from low silica, iron rich,
dusty ores. Five heats were carried out in which briquettes
Card 1/3 containing 5% of silica and 64.6% of total iron were used

The Use of Ore Briquettes During Smelting of High Phosphorus Pig
Iron

133-58-4-7/40

and for comparison on the same furnaces, normal heats were carried out in which ore containing 7.2% of silica was used. Main technological indices on both groups of heats are shown in Table 1. A decrease in silica concentration in heats with briquettes increased the concentration of P_2O_5 in slag and decreased the phosphorus concentration in the metal. The duration of the melting period decreased by 20 min., and refining and tapping by 32 min. However, on increasing the intensity of blowing oxygen into the bath to 1250 m³/hr the increase of concentration of CaO in slag, lags behind the increase in temperature (Fig.3). An increase of limestone to the charge did not increase the lime concentration in slag during the first two hours of the melting period. Therefore, further experiments (8 heats of rail steel and 4 heats of rimming steel) were carried out with briquettes containing limestone (Table 2). Main technological indices for the three corresponding groups of heats are given in Table 3. Mean duration of heat was decreased by 2 hours. Providing briquettes were well heated the formation of slag was very energetic, initial slags had

Card 2/3

The Use of Ore Briquettes During Smelting of High Phosphorus Pig Iron 133-58-4-7/40

high concentrations of CaO and low concentrations of FeO. Under these conditions the bath was blown with oxygen for 1 hour 15 min (1240 m³/hr). After 3 hours slag contained 38.6% CaO and 18.6% P₂O₅ and the metal only 0.32% of phosphorus (Figs. 4 and 5). It is concluded that the use of briquettes from rich ores considerably improves the dephosphorisation process and decreases the duration of the heat. The following participated in the work: A. G. Kotin and Ya. A. Shneyerov, Candidates of Technical Science (Ukrainian Scientific-Research Institute of Metals), Ye. V. Tret'yakov, K.A. Tikhomirova and A.G. Alimov, Engineers and G. N. Oyks, Professor, Doctor of Technical Science. There are 3 tables and 5 figures.

ASSOCIATION: "Azovstal'" Zavod (Azovstal' Works)

Card 3/3 1. Iron--Production 2. Iron ores--Processing 3. Iron ores--Melting
4. Iron ores--Purification 5. Slags--Properties

BERILOV, N. T.

PHASE I BOOK EXPLOITATION

SOV/3607

Sviridenko, Fedor Fedorovich, and Nikolay Titovich Berilov

Sovershenstvovaniye tekhnologii proizvodstva stali (Improvement in the Steelmaking Process) [Stalino] Stalinskoye oblastnoye knizhnoye izd-vo, 1959. 64 p. 1,500 copies printed.

Ed.: F. Burlyga; Tech. Ed.: A. Samoletova.

PURPOSE: This booklet is intended for technical personnel in metallurgical plants.

COVERAGE: The book deals with methods and equipment developed and used by the Zhdanov "Azovstal'" Plant for the open-hearth production of steel from phosphorus pig irons. Improved tilting-type furnaces, special-quality charge materials, and the design of a new charging machine are discussed. Several observations on the history of steelmaking are made in the Introduction by Professor K.G. Trubin. There are 8 references, all Soviet.

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Improvement in the Steelmaking Process

80V/3607

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AVAILABLE: Library of Congress (TN 741.S9)

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VK/mh
7-1-60

ALIMOV, A.G., inzh.; KARPENKO, L.G., inzh.; TARASOVA, L.P., inzh.;
TIKHOMIROVA, K.A., inzh.; BERILOV, N.T., inzh.; YUDIN, V.F.,
inzh.; SOBINOVA, L.I., inzh.; TRUSKO, A.A., inzh.

Rapid bottom pouring of killed steel. Stal' 25 no.3:
230-231 Mr '65. (MIRA 18:4)

L 3543-66 EPA/ENT(m)/EMP(w)/EPF(c)/EWP(f)/EPF(n)-2/I/ETC(m) WW/EM/DJ
 ACCESSION NR: AP5024423 UR/0286/65/000/015/0126/0126

AUTHORS: Krasnikov, A. S.; Berin, I. G.; Roytman, A. B. 51
B

TITLE: A damper for an aircraft gas turbine engine. Class 47, No. 173548

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 15, 1965, 126

TOPIC TAGS: aircraft engine, gas turbine, engine component

ABSTRACT: This Author Certificate presents a damper for an aircraft gas turbine engine, made in the form of a group of bands bent into open rings and working in oil. To insure the pliability of the damper and to make it work in a small quantity of oil, the rings are so turned in respect to one another that in each pair the opening of one is diametrically opposite to the opening in the other. The openings in the inner rings of the adjacent pairs are turned at an angle to one another. The size of this angle is computed by the formula $360^\circ/n$, where n is the number of rings.

ASSOCIATION: none

SUBMITTED: 26Aug63

ENGL: 00

SUB CODE: IE, PR

NO REF SOV: 000

OTHER: 000

Cord 1/1 *mlh*

STAROSEL'SKAYA, K.B.; BERIM, M.G.; NAUMOVA, Ye.K.; NEFEDOVA, M.G.

Action of some organic phosphorus compounds on microorganisms.
Zhur.mikrobiol., epid. i immun. 32 no.11:87-91 N '61.

(MIRA 14:11)

1. Iz Kazanskogo gosudarstvennogo meditsinskogo instituta.
(PHOSPHORUS ORGANIC COMPOUNDS—PHYSIOLOGICAL EFFECT)
(BACTERIA, PATHOGENIC)

ACCESSION NR: AP5011377

TOPIC TAGS: bacterial disease, intestinal disease, ester, experimental animal

(preparation 607) and the mixed methyl isopropenyl ester of ethylphosphinic acid (preparation 608)

I 20628-25

These preparations are low in toxicity and are active in relation to the following experimental infections caused by Sh. dysenteriae Flexner, Sh. dysenteriae Flexner, Sh. dysenteriae Flexner. Tests were made on 100 g of mice. Treatment was conducted with a 10% aqueous

solution of the preparations. The results of the tests were as follows: 1. The preparations were active in relation to the following experimental infections caused by Sh. dysenteriae Flexner, Sh. dysenteriae Flexner, Sh. dysenteriae Flexner. 2. The preparations were active in relation to the following experimental infections caused by Sh. dysenteriae Flexner, Sh. dysenteriae Flexner, Sh. dysenteriae Flexner. 3. The preparations were active in relation to the following experimental infections caused by Sh. dysenteriae Flexner, Sh. dysenteriae Flexner, Sh. dysenteriae Flexner.

4. The preparations were active in relation to the following experimental infections caused by Sh. dysenteriae Flexner, Sh. dysenteriae Flexner, Sh. dysenteriae Flexner. 5. The preparations were active in relation to the following experimental infections caused by Sh. dysenteriae Flexner, Sh. dysenteriae Flexner, Sh. dysenteriae Flexner. 6. The preparations were active in relation to the following experimental infections caused by Sh. dysenteriae Flexner, Sh. dysenteriae Flexner, Sh. dysenteriae Flexner.

3.38624-50

...but does not
...therapeutic effect
...and a chemotherapeutic effect
...experimental dysentery

2 cells, strain 0111, both when administered simultaneously with infection and after 2 and 24 hours.

Inasmuch as the preparations exhibited some degree of chemotherapeutic action against intentional infections, the author concludes that the mechanism of these microbes there is a... and the action of organophosphorus...

...delivered...

...

...

BERIM, M.G.; ZAGIDULLIN, A.Kh.; PETROVA, V.I.; RAKHTANOVA, Ye.P.

Detection of Mycobacterium tuberculosis by fluorescence and
phase contrast microscopy. Nauch. trudy Kaz. gos. med. inst.
14:101-102 '64. (MIRA 18:9)

1. Kafedra mikrobiologii (zav. - dotsent Z.Kh.Karimova) i
kurs tuberkuleza (zav. - prof. B.L.Mazur) Kazanskogo meditsin-
skogo instituta.

RERIM, M.G.; KHABIROVA, G.Z.; SHAMSUTDINOV, N.S.

Buchin's medium in microbiological diagnosis of diphtheria.
Nauch. trudy Kaz. gos. med. inst. 14:103-104 '64. (MIRA 18:9)

1. Kafedra mikrobiologii (zav. - dotsent Z.Kh.Karimova) Kazan-
skogo meditsinskogo instituta.

SHAMSUTDINOV, N.S.; ~~BERIM, M.G.~~

Use of the indicator method for the detection and identification
of *Corynebacterium diphtheriae*. Lab. ddo no.2:84 '65.

(MIRA 18:2)

1. Kafedra mikrobiologii (zaveduyushchiy - dotsent Z.Kh. Karimova)
Kazanskogo meditsinskogo instituta.

VIZEL', A.O.; ZVEREVA, M.A.; IVANOVSKAYA, K.M.; STUDENTSOVA, I.A.; DUNAYEV, V.G.;
BERIM, M.G.

Synthesis and certain properties of phosphacyclopentene derivatives.
Dokl. AN SSSR 160 no.4:826-828 F '65.

(MIRA 18:2)

1. Institut organicheskoy khimii AN SSSR i Kazanskiy meditsinskiy
institut.

BERIM, M.G.; BRUDNAYA, K.B.; RZHEVSKAYA, G.F.; TUKTAROVA, Sh.Z.

Antimicrobial effect of the esters of amidophosphonoformic acid, phosphorylated acetals and hydrazones. Nauch. trudy Kaz. gos. med. inst. 14:99-100 '64. (MIRA 18:9)

1. Kafedra mikrobiologii (zav. - dotsent Z.Kh.Karimova) i kafedra farmakologii (zav. - dotsent T.V.Raspopova) Kazanskogo meditsinskogo instituta.

L 29965-66 EWT(1)/T JK

ACC NR: AR6004358

SOURCE CODE: UR/0299/65/000/019/B042/B042

AUTHOR: Berim, M. G.; Brudnaya, K. B.; Rzhevskaya, G. F.; Tuktarova, Sh. Z.

TITLE: Problem of the antibacterial action of amidophosphonoformic ester, phosphorilated acetals and hydrazones

SOURCE: Ref. zh. Biologiya, Abs. 19B272

REF SOURCE: Nauchn. tr. Kazansk. med. in-t, v. 14, 1964, 99-100

TOPIC TAGS: ~~organic chemistry~~, bactericide, organic phosphorus compound, *ester, acetal*

ABSTRACT: The antibacterial effect of amidophosphonoformic ester, phosphorilated hydrazones and phosphorilated acetals are studied. Some serotype (0-111, 0-26, 0-55) intestinal bacteria, proteus vulfaricus, stimulants of typhoid fever, dysentery, murine typhus, staphylococcus, streptococcus, and also diphtheria ~~stimulators~~ ~~test~~ bacteria were used. The latter microorganism was shown to be the most sensitive to the compounds in question. The addition of chlorine atom to the alkyl radical, or an increase in the carbon atom number in it does not

Card 1/2

L 29965-66

ACC NR: AR6004358

increase the antibacterial action of amidophosphonoformic esters. The presence of a double bond in the alkyl radical increases the antibacterial action. The same is true regarding the introduction of a methoxy-group into phenyl radical. Preparation No.16: 3,3dimethoxyphenyl-4,4-bis-amidophosphonoformic dimethyl ester proved to be the most active of all the investigated phosphoroorganic compounds. Phosphorilayed hydrazones showed a slight antibacterial action, whereas the acetals are not active at all.

N. Blinov

SUB CODE: 06,07/ SUBM DATE: none

Cord 2/2 CC

L 20705-66 EWT(1)/EWT(m)/EWT(j)/T RO/JK/RM
ACC NR: A16012027

SOURCE CODE: UR/0020/65/160/004/0826/0828

AUTHOR: Vizel', A. O.; Zvereva, M. A.; Ivanovskaya, K. M.; Studentsova, I. A.;
Dunayev, V. G.; Berim, M. G.

ORG: Institute of Organic Chemistry, AN SSSR, Kazan' (Institut organicheskoy khimii
AN SSSR); Kazan' Medical Institute, Kazan' (Kazanskiy meditsinskiy institut)

TITLE: Synthesis and some properties of phosphacyclopentene derivatives

SOURCE: AN SSSR. Doklady, v. 160, no. 4, 1965, 826-828

TOPIC TAGS: organic synthetic process, toxicology, mouse, ester, antibiotic

ABSTRACT: Esters of cyclophosphinic acid were synthesized by reaction of 1-oxo-1-bromo-3-methylphosphacyclopentene-2 with corresponding alcohols in the presence of triethylamine in ether solution. Two acids were prepared by saponification of the corresponding acid bromides and recrystallized from acetone. One methyl ester was prepared by reaction of 2-oxo-2-chloro-3,3,5-trimethyl-1-oxaphosphacyclopentene-4 with methanol in the presence of triethylamine. Toxicity studies were run on white mice according to the Berens method; most of the compounds studied gave a monotypic picture of poisoning, similar to the action of narcotics. Lethal doses of the compounds studied produced a sharp inhibition and stoppage of respiration. The toxicity of the esters was found to increase with increasing length of the hydrocarbon radical. The action of the preparations was reversible, and after the mice awoke there was no effect on their general condition. The preparations were also investigated in vitro in 1:100 and 1:1000 dilutions on seven species of pathogenic microbes. The two free acids studied exhib-

Card 1/2

L 20705-66

ACC NR: AP6012027

ited the broadest range of antimicrobial action. This paper was presented by Academician B. A. Arbuzov on 27 July 1964. Orig. art. has: 3 tables. [JPRS]

SUB CODE: 06, 07 / SUBM DATE: 22Aug64 / ORIG REF: 006 / OTH REF: 007

Card 2/2 BK

BERIM, N. G.

21849

BERIM, N. G. Sravnitel'naya toksichnost' maslyanykh preparatov i dustov DDT v svyazi s prodolzhitel'nost'yu ikh kontakta s telom/nasekomogo. Trudy Pushkinsk. s.-kh. in-ta, t. XIX, 1949, s. 164-75. - Bibliogr: 7 nazv.

SO: Letopis' Zhurnal'nykh Statey, No. 29, Moskva, 1949

BERIM, N., G.,

Pa. 150710

USSR/Biology - Insecticides
DDT

21 Jul 49

"Certain Physiological Factors Determining the Resistance of Insects to DDT and Hexachlorocyclohexane (GKhtsg)," N. G. Berim, N. M. Edel'man, Leningrad Agr Inst, All-Union Sci Res Inst of Plant Protection, 3 1/2 pp

"Dok Ak Nauk SSSR" Vol LXVII, No 3

Obtained data in studies on subject matter, using beetles and maggots of *Agelastica alni* type in various periods of their development, and beetles -- *Pseudophonus pubescens* Muell. Proved that resistance of insects to DDT and GKhtsg changes according to

150710

USSR/Biology - Insecticides (Contd) 21 Jul 49

seasons and physiological condition. This should be considered in using insecticides. Submitted by Ye. N. Pavlovskiy 30 May 49.

150710

BERIM, N.G.; EDEL'MAN, N.M.

Physiological resistance of insects to DDT and benzene hexachloride
and ways of overcoming it. Ent.oboz. 32:15-26 '52. (MLRA 7:1)

1. Leningradskiy sel'skokhozyaystvennyy institut. 2. Vsesoyuznyy
Nauchno-issledovatel'skiy institut zashchity rasteniy Akademii
sel'skokhozyaystvennykh nauk im. V.I.Lenina, Leningrad.
(Insecticides)

CA

Pesticides 15A

Changes in activity of some enzymes in insects poisoned with hexachlorocyclohexane and DDT. *Nesheva, G. Berin* (Leningrad Agr. Inst.). *Doklady Akad. Nauk S.S.S.R.* 84, 303-6 (1952). — Caterpillars of *Apocis crataegi* (5th stage) and those of *Nygmia phaeorrhoea* (2nd stage) dusted with 5% DDT or BHC (dosage about 0.001 g./g. of insect) show within 2 hrs. a slight decline of catalase activity and a 20-25% increase of respiration intensity (O_2 consumption), with decline of respiratory coeff. Larvae of *Blaps lethifera* show a slight increase of catalase activity and a 250% increase of respiration. Activity of lipase increases and the amt. of the increase is indicative of the rate of mortality of the caterpillars under the action of the insecticides, the more resistant forms showing a significant enzymic change only in 24 hrs. Insects most stable to the action of insecticides generally show a less active lipase system. The resistance to insecticides being tied up with cholinesterase activity, the activation of the lipase system noted above can be ascribed to formation of Ca ions in the bodies of the insects. This was confirmed by color test with Alizarin red C, which gave a red ppt. of the Ca salt on mixing with samples of hemolymph; this was particularly noted in insects with low resistance to the insecticides. The resistant *Nygmia* shows this test only after long exposure to the insecticides. G. M. Kosolapoff d

BERIN, N. G.

USSR/Physiology

Card 1/1

Author : Berin, N. G.

Title : Special features of physiological synergism of DDT and fluoride compounds during their action upon insects.

Periodical : Dokl. AN SSSR, 95, 6, 1359 - 1362, 21 Apr 1954

Abstract : The article describes experiments on insects (*Pertheria dispar* L. and *Malacosoma neustria* L) with insecticides, DDT and fluoride compounds. The insecticides have been applied separately and in combined form to insects of various ages. Results of the experiments are given in 4 tables of the article.

Institution : Inst. of Farm Economy at Leningrad

Submitted : 22 Feb 1954

BERIN, N. G.

SHCHEGOLEV, V.N., professor, doktor sel'skokhozyaystvennykh nauk,
redaktor; BERIN, N.G.; HEY-BIVENKO, G.Ya.; BRYANTSEV, B.A.;
BRYANTSEVA, I.B.; VOLGIN, V.I.; DANILEVSKIY, L.S.; ZIMIN, L.S.
OSMOLOVSKIY, G.Ye., redaktor; RUSTSOV, I.A.; SHEVCHENKO, M.I.;
SHCHEGOLEV, V.N.; YATSENKO, I.P.; SILAYEV, A.G., redaktor;
GODOLAGINA, S.D., tekhnicheskii redaktor.

[Entomologist's dictionary manual] Slovar'-spravochnik
entomologa. Moskva, Gos.izd-vo selkhoz.lit-ry, 1955. 451 p.
(Entomology--Dictionaries) (MLRA 8:10)

BERIN, Nikolay Grigor'yevich; SOKOLOVSKAYA, Revokka Yefremovna;
OSMOLOVSKIY, G.Ye., redaktor; VODOLAGINA, S.D., tekhnicheskiy
redaktor

[Chemical protection for plants] Khimicheskaya zashchita rastenii.
Moskva, Gos.izd-vo selkhoz.lit-ry, 1955. 206 p. (MIRA 9:3)
(Agricultural chemistry)

Cat. card #B48, State Library of the USSR im. V. I. Lenin gives the following description of the book:

The authors familiarize one with the properties of poisonous chemicals, used in the struggle against plant pests and diseases, with methods for preparing and using working mixtures, and with methods for determining their quality and effectiveness. The theoretical fundamentals for the protection of plants is also given. The book is intended for agriculturists, entomologists, phytopathologists, and chemists-toxicologists."

2
Physiological synthesis of DDT and calcium in insects
in their action on insects. N. G. Borim

USSR / General and Specialized Zoology. Insects. P
Chemical Means for the Control of Harmful Insects and Acarids.

Abs Jour: Ref Zhur-Biol., No 13, 1958, 59177.

Abstract: taining food. The caterpillar mortality was correspondingly: 65, 10, 0, 50.95 (1 : 4) and 90%. The speediest action on the caterpillars resulted from CA. The same caterpillars were treated with DDT, the arsonato and their mixtures at the rate of 1 : 4; the caterpillar mortality in 2 hours was, correspondingly, 13 and 67%, the water content in the caterpillars was 78.7, 84 and 79% (in control, 83%); the fat content was 25.8, 22.9 and 27.2% (in control, 31.2%), and the loss of weight of the caterpillars was 29, 23 and 30%. The respiratory rate, due to the DDT action, increases at the start, but later on diminishes considerably. CA and

Card 2/3

USSR / General and Specialized Zoology. Insects. P
Chemical Means for the Control of Harmful In-
sects and Acarids.

Abs Jour: Ref Zhur-Biol., No 13, 1958, 59177.

Abstract: a mixture of the insecticides sharply lower the respiratory rate at once. The cholinesterase action is weaker with CA, stronger with the insecticide mixtures, and attains the highest degree with DDT. The content of pyruvic acid (in 3 hours) relative to the living weight is 0.020, 0.023 and 0.036 (in control, 0.32%). The indicated results, on the whole, conform to the results of analogous experiments with the caterpillars of the cabbage white butterfly. -- A. P. Adrianov

Card 3/3

BEY-BIYENKO, G.Ya.; BERIM, N.G.; BRYANTSEV, B.A., BRYANTSEVA, I.B.;
VOLGIN, V.I.; DANILEVSKIY, A.S.; ZIMIN, L.S.; KOZHANCHIKOV, I.V.;
OSMOLOVSKIY, G.Ye.; RUBTSOV, I.A.; SHEVCHENKO, M.I.; YATSENKO, I.P.;
SHCHEGOLEV, V.N., prof., doktor s.-kh.nauk, red.; AKHREMOVICH, M.B.,
red.; CHUNAYEVA, Z.V., tekhn.red.

[Entomological dictionary and handbook] Slovar'-spravochnik
entomologa. Izd.2., perer. i dop. Moskva, Gos.izd-vo sel'khoz.
lit-ry, 1958. 631 p. (MIRA 11:12)
(Entomology--Dictionaries)

BERIN, N.G.; DRUZHELYUBOVA, T.S.

Anatomical and histological changes in gypsy moth caterpillars
(*Porthetria dispar* L.) caused by insecticides [with summary in
German]. Ent. oboz. 37 no. 2:252-259 '58. (MIRA 11:7)

1. Leningradskiy sel'skokhozyaystvennyy institut.
(Gypsy moth)
(Insecticides)

BERIM, Nakhman Zua' Gershkovich; VOYEVODIN, Aleksey Vlasovich; IVANOVA, Nina Aleksandrovna; OSMOLOVSKIY, Grigoriy Yevseyevich; REUTSKAYA, O.Ye., red.; CHUNAYEVA, Z.V., tekhn.red.

[Concise manual on the use of chemicals in plant growing] Kratkii spravochnik po primeneniui iadokhimikatov v rastenievodstve. Pod obshchai red. G.E.Osmolovskogo. Moskva, Gos.izd-vo sel'khoz.lit-ry, 1960. 349 p. (MIRA 13:6)

(Insecticides)

BERIM, N. G., ^{to} Doc Agr Sci, "WAYS ^{of} FOR INCREASING ^{the} EFFEC-
TIVENESS OF APPLICATION OF DDT AND OTHER INSECTICIDES IN
THE PROTECTION OF PLANTS BY OVERCOMING ^{the} RESISTANCE OF IN-
SECTS TO THEIR ACTION." KIEV, 1961. (MIN OF Agr UKSSR,
UKRAINIAN ACAD OF Agr Sci). (KL, 3-61, 223).

BERIM, N.G., dotsent; SOKOLOVSKAYA, R.Ye., dotsent

Simple methods for identifying poisonous chemicals (to be continued).
Zashch. rast. ot vred. i bol. 7 no.8:41-43 Ag '62. (MIRA 15:12)

1. Leningradskiy sel'skokhozyaystvennyy institut.
(Agricultural chemicals)

BERIM, N.G., dotsent; SOKOLOVSKAYA, R.Ye., dotsent

Simple methods for identifying poisonous chemicals. Zashch.
rast. ot vred. i bol. 7 no.10:35-37 0 '62. (MIRA 16:6)

1. Leningradskiy sel'skokhozyaystvennyy institut.
(Agricultural chemicals)

BERIM, N.G.; VOYEVODIN, A.V.; VYSOTSKAYA, P.F.; IVANOVA, N.A.;
OSMOLOVSKIY, G.Ye.; MINKINA, L.N., red.; BARANOVA, L.G.,
tekhn. red.; FRIDMAN, Z.L., tekhn. red.

[Practical manual on the use of poisonous chemicals and
herbicides in plant growing] Prakticheskoe rukovodstvo po
primeneniiu iadokhimikatov i gerbitsidov v rastenievod-
stve. [By] N.G.Berim i dr. Moskva, Sel'khozizdat, 1963.
614 p. (MIRA 17:1)

(Field crops--Diseases and pests)
(Agricultural chemicals)
(Herbicides)

BERIM, N.G., kand.sel'skokhoz.nauk

Increasing the effectiveness of insecticides for overcoming the
resistance of pests. Zashch. rast. ot vred. i bol. 6 no.12:16-19
D '61. (MIRA 16:5)

1. Leningradskiy sel'skokhozyaystvennyy institut.

BERIM, N.G., dotsent; SOKOLOVSKAYA, R.Ye., dotsent

Simple methods for identifying poisonous chemicals. Zashch. rast.
ot vred. i bol. 7 no.11:40-42 N '62. (MIRA 16:7)

1. Leningradskiy sel'skokhozyaystvennyy institut.

BERIM, N.G., prof.

Arsenic-containing inorganic insecticides and toxic substances.
Zashch. rast. ot vred. i bol. 9 no. 4:32-34 '64. (MIRA 17:5)

1. Leningradskiy sel'skokhozyaystvennyy institut.

BERIM, N.G.

Biological principles of the improving the system of applying insecticides, Ent. oboz. 43 no.3:495-502 '64. (MIRA 17:10)

1. Kafedra sel'skokhozyaystvennoy entomologii Leningradskogo sel'skokhozyaystvennogo 'nstituta, g. Pushkin, Leningradskoy oblasti.

ALIMOV, A.G., inzh.; TIKHOMIROVA, K.A., inzh.; BERILOV, N.T., inzh.;
PEREKRESTOV, V.I., inzh.; KRIVENKO, P.T., inzh.

Using a steam and oxygen mixture for accelerating the open-
hearth smelting process. Stal' 24 no.10:895-896 0 '64.
(MIRA 17:12)

1. Zavod "Azovstal'".

BERIM, Nakhman Zus'-Gershekhovich; SOKOLOVSKAYA, Revekka Yefremovna;
MINKINA, L.N., red.

[Practical laboratory manual on the chemical protection of
plants] Praktikum po khimicheskoi zashchite rastenii. Le-
ningrad, Kolos, 1965. 191 p. (MIRA 18:3)

BERIM, Ye.G., dotsent

A valuable monograph. Zashch. rast. ot vred. i bol. 8 no.4:
61-62 Ap '63. (MIRA 16:10)

1. Leningradskiy sel'skokhozyaystvennyy institut.
(Plants, Effect of insecticides on)